

ENVIRONMENTAL SAMPLING

John T Lewis Community Childhood Blood Lead Prevalence and Healthy Housing Research Protocol, Philadelphia, PA, July 14-25, 2014

Initial Procedures

- Take a GPS reading at the front door (if not at the front door, note location)
- Identify areas to be sampled – wipe areas (near front door, child's play area, child's bedroom window sill) – water sample (kitchen or bathroom tap) – soil sample (bare soil where child plays)
- Draw schematic of home on Sampling Form (Appendix J) – indicate sampling locations inside and outside the home – write the GPS coordinates for the front door and the soil sampling location on the schematic
- Put Sample ID labels (provided for each location) on all sampling containers as well as the Sampling Form
- Sample IDs should be written on the Sample Collection form
- Fill in chain of custody form supplied by the laboratory (Appendix I) – fill in at the command center at the end of the day

Tap Water Sampling

Supplies:

- Gloves
- Environmental sampling form and ID labels
- 250 mL collection container
- Trash bag

Procedure:

- The sample can be taken at the kitchen sink or a bathroom sink (kitchen sink preferred). Indicate on the schematic (on the sampling form) where the sample was taken.
- Fill in the sampling form, placing label on form and sample container.
- Put on gloves.

- Put the sample container under the faucet, fill and cap. Do not run the water prior to sampling.
- Put the gloves in the trash bag.
- If QA/QC samples are needed for this location, the appropriate supplies will be provided
- Sample will be analyzed by Eurofins Eaton Analytical using EPA 200.8.